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THE INVENTION CLAIMED IS:

1. A method of manufacturing a spiral inductor comprising:

providing a substrate;

forming an inductor dielectric layer over the substrate;

forming a spiral opening in the inductor dielectric layer;

forming a spiral inductor in the spiral opening, the spiral inductor including; and forming a plurality of parallel spiral vias connected together at center proximate and

center distal ends of the spiral inductor.

2. The method as claimed in claim 1 wherein:

forming the spiral inductor includes:

forming a spiral line in the spiral opening; and

forming the plurality of parallel spiral vias above the spiral line and integral therewith.

3. The method as claimed in claim 1 wherein:

forming the spiral inductor includes:

forming a spiral line over the plurality of parallel spiral vias and integral therewith.

4. The method as claimed in claim 1 including:

forming a first connecting portion;

forming connecting via between the first connecting portion and the center proximate end of the spiral inductor; and

forming a second connecting portion connected to the center distal end of the spiral inductor.

5. The method as claimed in claim 1 wherein:

forming the spiral opening forms a multi-turn spiral from a group consisting of square, rectangular, and circular spirals.

6. A method of manufacturing a spiral inductor comprising:

providing a substrate;

forming a field dielectric layer over the substrate;

forming an inductor dielectric layer over the field dielectric layer;

forming a spiral opening in the inductor dielectric layer;

forming a spiral inductor in the spiral opening, the spiral inductor including;

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formin	g a	plurality	of	parallel	spiral	vias	connected	together	at	center
proximate and center distal ends of the spiral inductor;										

- forming a first connecting portion connected to the center proximate end of the spiral inductor; and
- forming a second connecting portion connected to the center distal end of the spiral inductor.
- 7. The method as claimed in claim 6 wherein:

forming the spiral inductor includes:

forming a spiral line in the spiral opening connected together to the parallel spiral vias at the center proximate and the center distal ends of the spiral inductor; and

forming the plurality of parallel spiral vias above the spiral line and integral therewith.

- 8. The method as claimed in claim 6 wherein:
- forming the spiral inductor includes:
 - forming a spiral line over the plurality of parallel spiral vias and integral therewith, the spiral line connected together to the parallel spiral vias at the center proximate and the center distal ends of the spiral inductor.
- 9. The method as claimed in claim 6 including:
- forming a connecting portion dielectric over the field dielectric and under the inductor dielectric layer;

forming an opening in the connecting portion for the first connecting portion;

- forming connecting via between the first connecting portion and the center proximate end of the spiral inductor; and
- forming a second connecting portion connected to the center distal end of the spiral inductor.
- 10. The method as claimed in claim 6 wherein:
- forming the spiral opening forms a multi-turn spiral from a group consisting of square, rectangular, and circular spirals.
- 30 11. A spiral inductor comprising: a substrate;

an in	ductor dielectric layer over the substrate having a spiral opening provided					
	therein; and					
a spiral inductor in the spiral opening, the spiral inductor including;						
	a plurality of parallel spiral vias connected together at center proximate and					
	center distal ends of the spiral inductor.					
12.	The spiral inductor as claimed in claim 11 wherein:					
the spiral inductor includes:						
	a spiral line in the spiral opening; and					
	the plurality of parallel spiral vias above the spiral line and integral therewith.					
13.	The spiral inductor as claimed in claim 11 wherein:					
the spiral inductor includes:						
	a spiral line over the plurality of parallel spiral vias and integral therewith.					
14.	The spiral inductor as claimed in claim 11 including:					
a first	connecting portion;					
conne	cting via between the first connecting portion and the center proximate end of					
	the spiral inductor; and					
a seco	nd connecting portion connected to the center distal end of the spiral inductor.					
15.	The spiral inductor as claimed in claim 11 wherein:					
the sp	piral opening forms a multi-turn spiral from a group consisting of square,					
	rectangular, and circular spirals.					
16.	A spiral inductor comprising:					
a subs	trate;					
a field dielectric layer over the substrate;						
an inc	ductor dielectric layer over the field dielectric layer having a spiral opening					
	provided therein;					
a spira	al inductor in the spiral opening, the spiral inductor including;					
	a plurality of parallel spiral vias connected together at center proximate and					
	center distal ends of the spiral inductor;					
a first	connecting portion connected to the center proximate end of the spiral inductor;					
	and					
a seco	nd connecting portion connected to the center distal end of the spiral inductor.					

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17. The spiral inductor as claimed in claim 16 wherein: the spiral inductor includes:

a spiral line in the spiral opening connected together to the parallel spiral vias at the center proximate and the center distal ends of the spiral inductor; and

the plurality of parallel spiral vias above the spiral line and integral therewith.

18. The spiral inductor as claimed in claim 16 wherein: the spiral inductor includes:

a spiral line over the plurality of parallel spiral vias and integral therewith, the spiral line connected together to the parallel spiral vias at the center proximate and the center distal ends of the spiral inductor.

19. The spiral inductor as claimed in claim 16 including:

a connecting portion dielectric layer over the field dielectric and under the inductor dielectric layer, the connecting portion dielectric layer having an opening provided therein for the first connecting portion;

connecting via between the first connecting portion and the center proximate end of the spiral inductor; and

a second connecting portion connected to the center distal end of the spiral inductor.

20. The spiral inductor as claimed in claim 16 wherein:

the spiral opening forms a multi-turn spiral from a group consisting of square, rectangular, and circular spirals.

21. The spiral inductor as claimed in claim 16 wherein:

the spiral inductor is fabricated by an aluminum via/line process or a copper damascene process

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